

Initialization of object during declaration with assignment operator "=" are

```
#include <iostream>
using namespace std;
class num
{
private:
    int a;
public:
    num(int m)
    {
        a = m;
    }
    void display()
    {
        cout << a << endl;
    }
};

void main()
{
    num obj1 = 100;
    num obj2 = 200;
    cout << "object 1 = ";
    obj1.display();
    cout << "object 2 = ";
    obj2.display();
}
```

Copy Constructor: - It is parameterized constructor using one object can be copied to another object

Syntax:-

```
class class name
{
public:
    class name(class name &pt)
    {
        ...
    }
};
```

```
class Number
{
public:
    Number(int n)
    {
        a = n;
    }
    Number(Number &x)
    {
        a = x.a;
        cout << "copy construct is invoked";
    }
};
```